



A Framework for Profiling the Goddard Core

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NASA Goddard Library

Taxonomy Tuesday

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Initial Goddard Core Effort



- Developed large set of elements
- Reduced it “so folks wouldn’t be scared off”
- Developed Digital Asset System to show capabilities
- Began working with individual projects
 - Hitchhiker effort was limited
 - Landsat provides input and feedback because it is an active project

Categories of Goddard Core Changes



- **Qualifications**
 - Subject.Controlled
 - Creator.Contract
- **Extensions**
 - Administrative
- **New Pick Lists**
 - Subject.MissionsProjects
 - Subject.Instrument
 - Subject.Competencies
 - Audience
- **Constraints to Current Pick Lists**
 - Format
 - Content Type

information@work

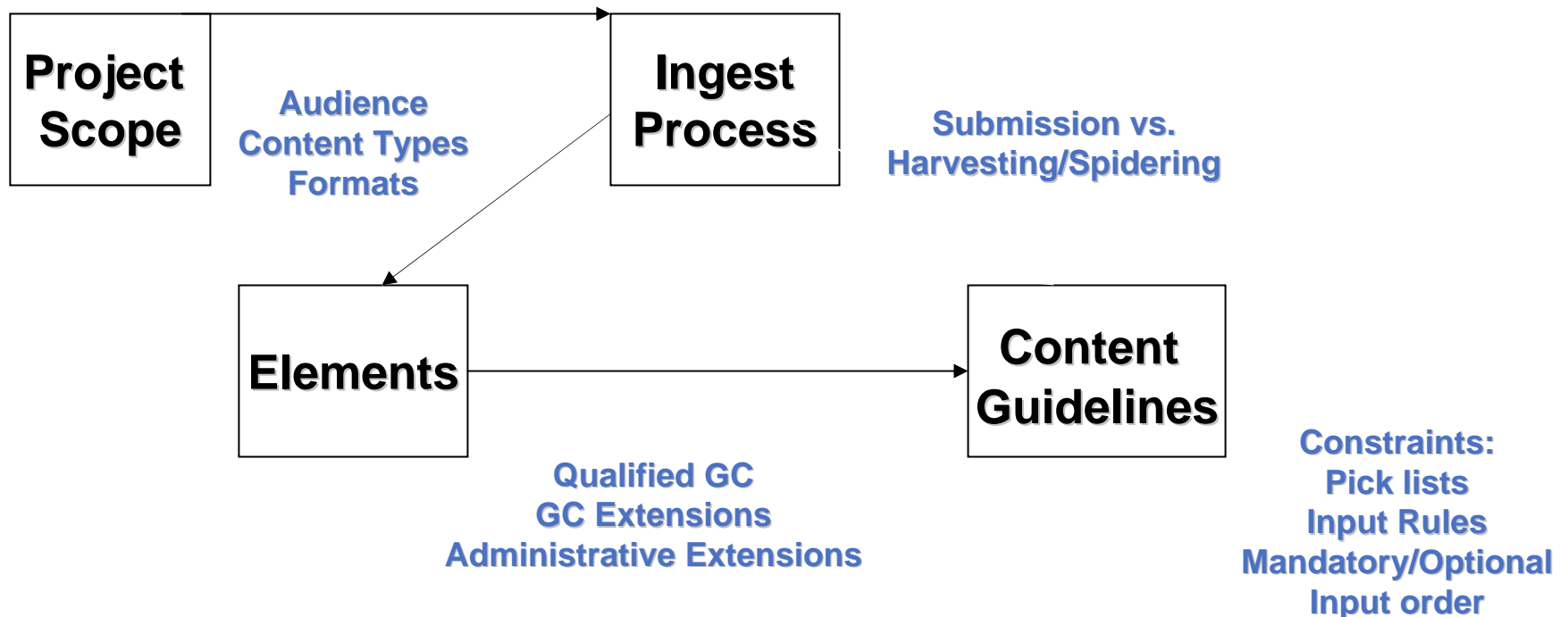
Areas Addressed



- Controlled vocabulary under Subject.Controlled
- Pick lists that control elements such as Subject.Instruments
- Customizable element granularity by project requirements for local interface development
- Automatic element entry (such as Publisher.Code)
- Element constraints (such as Format and Content Type)
- Administrative elements
 - New elements if content is submitted rather than harvested
 - Flexible Rules for current Administrative elements such as Contributor may change
- Customizable element order and names by project requirements
- Mandatory versus optional elements
- Content Guidelines require development

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Framework Components

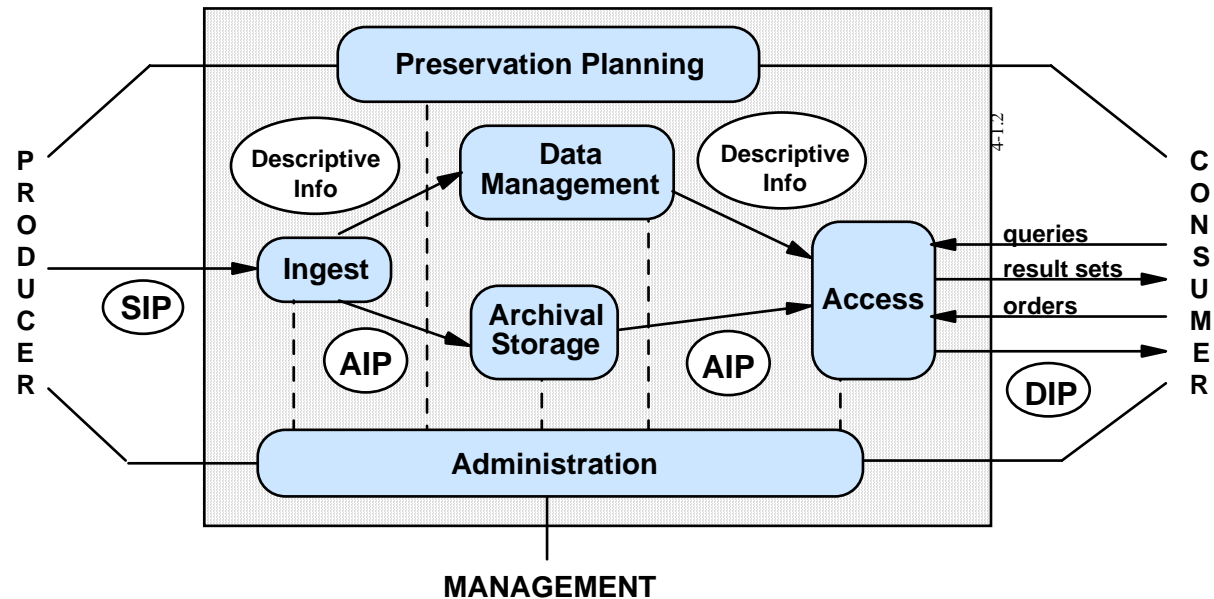


Benefits of a Framework



- Framework fits with the Open Archival Information System Reference Model
- Reflects the Producer-Archive Interaction Methodology ISO Recommendation (May 2004) from the CCSDS
- Acts as a check-list similar to that envisioned by the CCSDS
- Helps ensure individual project and DAS requirements are met
- May result in a data model and procedures that can support more automated DAS contributions

OAIS Reference Model

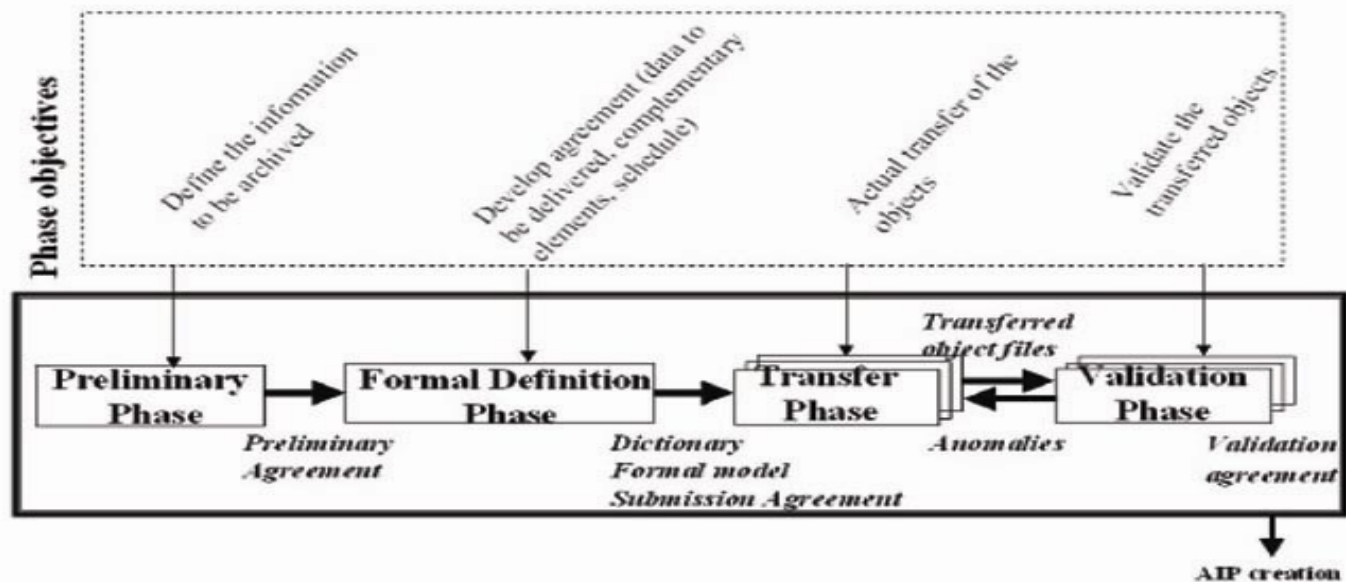


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Producer-Archive Interaction



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Next Steps



- Formalize the framework
- Document the metadata changes in a 11179 Metadata Registry
- Use the framework with other projects
- Learn more from Landsat and others